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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



Re the application of: J. Don Chen

Serial No.: 09/819,104

Filed: March 27, 2001

For: *NOVEL NUCLEAR RECEPTOR
COREPRESSOR MOLECULES AND USES
THEREFOR*

Attorney Docket No.: UMG-030

Group Art Unit: 1645

Examiner: Not Assigned

Box Missing Parts
Commissioner for Patents
Washington, D.C. 20231

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Date of Deposit April 1, 2002

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Signature

Ilidio P. Cardoso

Please Print Name of Person Signing

**PRELIMINARY AMENDMENT AND RESPONSE TO NOTICE OF INCOMPLETE REPLY
(NONPROVISIONAL)**

Dear Sir:

In response to the Notice of Incomplete Reply (Nonprovisional) mailed from the Patent Office on March 13, 2002, and prior to examination of the above-identified application, please amend the application as follows:

In the drawings:

Please replace Figures 1 (1 sheet) and 3 (1 sheet) as originally filed, with corrected Figures 1 (3 sheets) and 3 (1 sheet) filed herewith.

REMARKS

Applicants have amended Figures 1 and 3 solely to comply with the margin requirements set forth in the Notice of Incomplete Reply (Nonprovisional). Applicants believe all remaining figures are in compliance with the drawing requirements. No new matter has been added.

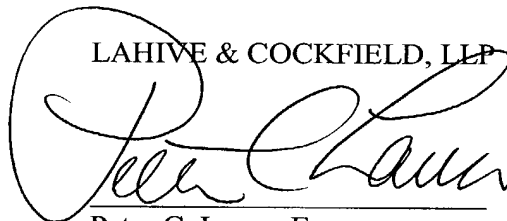
In further response to Notice of Incomplete Reply (Nonprovisional), Applicants submit concurrently herewith to Box Sequence Listing a substitute diskette containing a computer readable form of the Sequence Listing filed March 27, 2001 for the above-referenced patent application, and a separate transmittal letter for the substitute diskette, containing the required verification statement. Applicants note that the Sequence Listing as filed on March 27, 2001 complied with the requirements of 37 C.F.R. § 1.821. However, the diskette as originally filed produced misaligned numbering not present in the originally filed paper copy. Also enclosed is a copy of the Notice of Incomplete Reply (Nonprovisional).

Please charge any necessary fees to our Deposit Account No. 12-0080. The undersigned requests any extensions of time necessary to respond. *A duplicate of this sheet is enclosed.*

CONCLUSION

In view of the amendments and remarks set forth above, it is respectfully submitted that this application is in condition for allowance. If there are any remaining issues or the Examiner believes that a telephone conversation with Applicant's Attorney would be helpful in expediting prosecution of this application, the Examiner is invited to call the undersigned at (617) 227-7400.

Respectfully submitted,

LAHIVE & COCKFIELD, LLP


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 Reg. No. 32,360
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28 State Street
 Boston, MA 02109
 Tel: (617) 227-7400

Date: April 1, 2002



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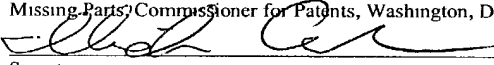
Examiner: Not Assigned

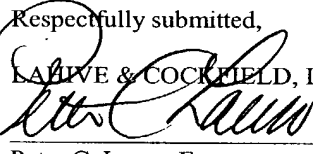
Box Sequence Listing
Commissioner for Patents
Washington, D.C. 20231

**TRANSMITTAL LETTER FOR DISKETTE CONTAINING SEQUENCE
LISTING**

Dear Sir:

Enclosed is a substitute diskette which contains a computer readable form of the Sequence Listing as originally filed on March 27, 2001 for the above-referenced patent application. Applicants note that the paper copy of the Sequence Listing as originally filed complied with the requirements of 37 C.F.R. § 1.821. However, the diskette filed on even date produced misaligned numbering not present in the originally filed paper copy. The material on substitute diskette enclosed herewith is identical in substance to the Sequence Listing as originally filed, as required by 37 C.F.R. § 1.821(f). The computer readable form of the Sequence Listing contained on the enclosed diskette is understood to comply with the requirements of § 1.824(d). No new matter has been added.

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Signature Ilidio P. Cardoso
Please Print Name of Person Signing

Respectfully submitted,

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h: 1 MSGSTQPVAQTWRATEPRYPHSLSYVPVQIARTHTDVGLEYQHHSRDYASHLSPGSI IQPQRRRPSLLSEFQPGNERSQELHLRPESHSYLPGLKSEM
m: 1 -----A-----GI-----S-----P-----T-----S-----RTF-----PDI
h: 101 EFIESKRPRLELLPDLLRPSPLLATGPAGSEDLTCKDRSLTGKLEPVSPPHPTDPELELVPPRLSKEELIQN.MDRVREITWVEQQISKLKKKQQQ
m: 101 --T-----T-----S-----A-----A-----A-----A-----A-----RL-----
h: 200 LEEAAKPPEPEKPVSPPIESKHRSLVQIIYDENRKKAEAHRILEGLGPQVELPLYNQPSDTRQYHENIKINQAMRKKLILYFKRNHARKQWEQKFC
m: 201 -----
h: 300 QRYDQLMEAWBKVERIENPRRAKESKVREYYEKOPFEIRKQRELQERMQ.RVGQRGSGLSMSPARSEHEVSEIIDGLSEQENLEKQMRLAVIPML
m: 301 -----S-----A-----RHVV
h: 399 YDADQORIKFINNMGLMADPMKVYKDQVMNMWSEQEKETFREKFMQHPKNFGLIASFLERKTVAECVLYYLTTKNENYKSLVRRSYRRRGKSQQQQQQ
m: 401 .RR-----D-----T-----RD-----
h: 499 QQQQQQQQQQMPRSSQEEKDEKEKEAEKEEKEPEVENDKEDLLKEKTDTSGEDNDEKEAVASKGRKTANSQGRRKGRITRSMANEANSEEAITPQ
m: 500 -----...-A-----E-----D-----QDA--E-E-S-----H--TA--
h: 599 QSAELASMEINESSRWTEEMETAKKGILLEHGRNWSAIARMVGSKTVSQCKNFYNYKKRONLDEILOHQHLKMEKERNARRKKKKAPAAAASEEAAFPPV
m: 596 --S-----M-----T-----
m: -AC: --S-----M-----HQTGPGARLLTQQELRAPIPSTPQLQPHSHRPHPSKEPCTPPCQSGPAGAHGLRSAPRKDSK*
h: 699 VEDEEMEASGVGTNEEEMVEEAAT.....VNSSDTESIPSPHTEAAKDTQGNGPKPATLGADGPPPGPPTPPPEDIPAPTESTP
m: 696 A-----SA-----LA-----SQASGNEVPRVGECSGPAA-----V---RS--T-----G-EALPAATQP-VB--E-PAA--A-PS-
h: 781 ASEATLAPTPPPAPPFPSSPPVPVKEEKEEETAAPPVEEGEEQKPPAAEBELAVDTGKAEP.....VKSECTEEAEEGA.KGKDAEAAEAFAE
m: 793 VPD-SGPPS-B-S-S.-AA--AT-D-D-Q-APA-P-QT-DAK---SEAE...I-V--P---EASEEPPES---DHK-T--E-ED-A-GT--I-TVS-
h: 871 RALKAKEGGSGRATTAKSSGAPQSDSSATCSADEVDEAEGDGKNRLLSPRPSLLTPTGDPRNASQPKPLDKQLKQRAAAIPIQVTKVHEPPRED
m: 889 AP-V-.EAGSKAAV-KGS---T-----P-----G-----A-----ST-----

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[illegible]

Fig. 1-3

M-> (TRAC1)
 h:1667 AALENROFIINDYITSQQMHNATAMAAQADMLRGLSPRESSIALNVAAGRGIIDLSQVPHLPVLVPTPGTATAMDRLAYLPTAQPFSSRHSSSP
 m:1641 -----A-S-----S-----I-----P-----H-----
 h:1767 LSPGGPHLTKPTTSSSERERDRDRDREREKSILTSTTTVEHAPIWRPGTEQSSGSSGGGGSSSRPASHSHAHQSPISPRTDALQQRPS
 m:1741 -----A-A-----E-E-----G-----
 h:1867 VLHNTGMKGIITAVEPSKPTVLRSTSTSSPVRPAATFPATHCPLGGTLDGVYPTLMEPVLLPKEAPRVARPERPRADTGHAFIAKPPARSGLEFPASSPS
 m:1825 -----S-VV-S--GT-----E-----TS-----V-G--T-----
 h:1967 KGSEPRPLVPVSGHATIAFTPAKNLAPHHASDPDPAPPASASDPHREKTQSKPFSIQELELRSLGYH.GSSYSPEGVEPVSPVSSPSLTHDKGLPKHLE
 m:1922 -----S-A--S-S-TA-----G.-T--L-----S-AG--D--I-----S-P--
 h:2066 ELDKSHLEGELRPKQPGPVKLGEEAAHLPHLRPLPESQPSSPLLQTAPGVKGHQVVTLAQHISEVITQDYTRHHPQQLSAPLPAPLYSFPGASCPVLD
 m:2021 --E-----H-----M-SA-----I-----G-----
 h:2166 LRRPPSDLYLPDPDHGAPARGSPHSEGGKRSPFPNKTSLVGGGEDGIEPVSPPEGMTPEGHSRAVYPLYRDGEQTEPSRMGSKSPGNTSQPPAFFSKL
 m:2121 -----T-----S-----SS--A-----A-----G-----
 h:2266 TESNSAMVSKKQEIINKLNTNNEPEYNI SQPGTEIFNMPAITGTGLMTYRSQAVQEHASTNMGLEAIRKALMGKYDQWEESPPLSANAFNPLNASA
 m:2220 -----G-----A-----C-----P--G-----
 h:2366 SLP.AAMPITAADGRSDHTLTSPGGGKAKVSGRPSSRKAKSPAPGLASGDRPPSVSVHSEGDCNRRRTPLTNRVWEDRPSSAGSTPFPYNPLIMRLQAG
 m:2320 ---A-----T-----A-----
 h:2465 VMASPPPPGLPAGSGPLAGPHHAWDEEPKPLLCQYETLSDSE 2507
 m:2420 -----A----- 2462

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

Fig. 3

